



Mac Pro 2009-2012 Case Replacement

If your Mac Pro has a scratched or damaged...

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INTRODUCTION

If your Mac Pro has a scratched or damaged case, here is a tutorial to completely replace it.

Anyone can do it, but the disassembly and reassembly are very long steps. Patience is the key to success.

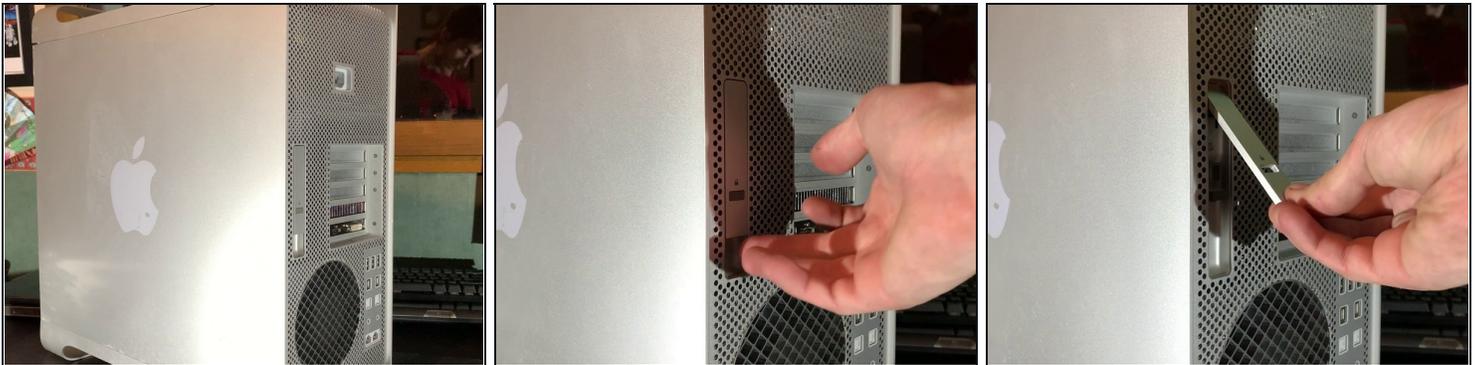
TOOLS:

[Un tournevis cruciforme \(1\)](#)

PARTS:

[Mac Pro 2009-2012 Case \(1\)](#)

Step 1 — Open the Case



- To open the Mac Pro, you'll have to lift the clip on the back of the case

Leave the clip open during the entire disassembly!

Step 2 — Remove the side panel



- Lift the flap to put it in the unlocked position, the panel should separate from the box without forcing.

Step 3 — Remove the hard drives



- Then to remove the hard drives, pull them towards you with a bit of force.

Step 4 — Remove the DVD drives



- Pull the DVD drives towards you, just like the hard drives.

Step 5 — Remove the CPU board



- Press both latches to unlock the bracket and then pull it towards you.

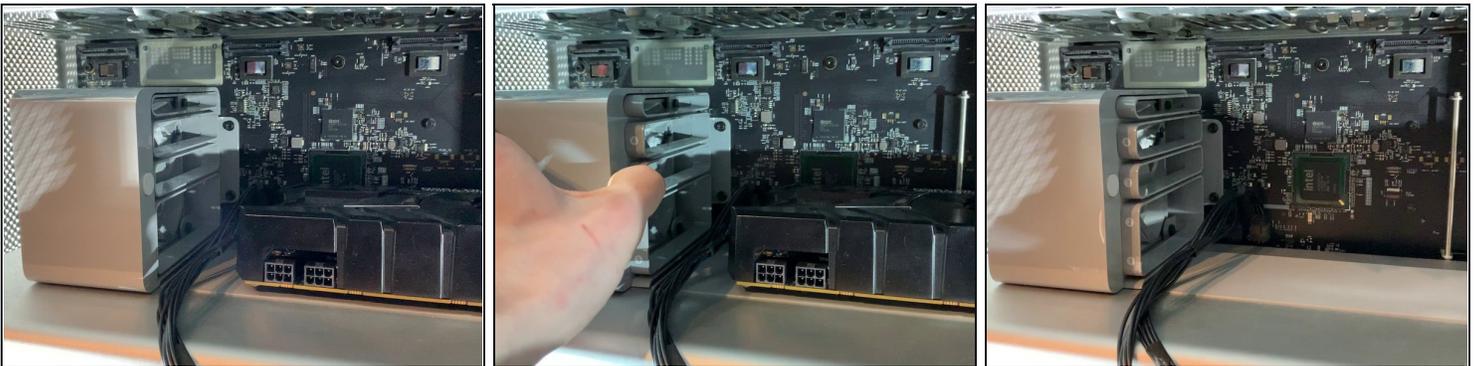
 You shouldn't need to apply much force.

Step 6 — Disconnect the GPU



- Remove the 6 or 8 pin connector from your graphics card.
- ⓘ This step is optional, it will depend on the graphics card of your Mac Pro

Step 7 — Disconnect the GPU power supply (Optional)



- On the power supply there is a button, press it to move the power supply to the left (see picture)
- Then pull the graphics card towards you to take it out of the box
- ⓘ This step is optional depending on the GPU of your Mac Pro

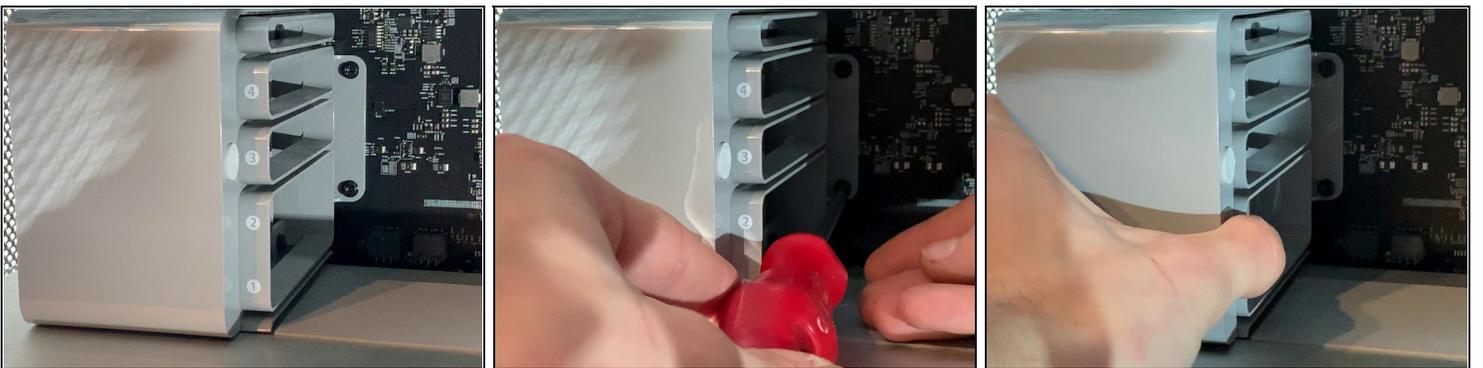
Step 8 — Disconnect GPU support (optional)



- Disconnect the PCI-e cables from the motherboard

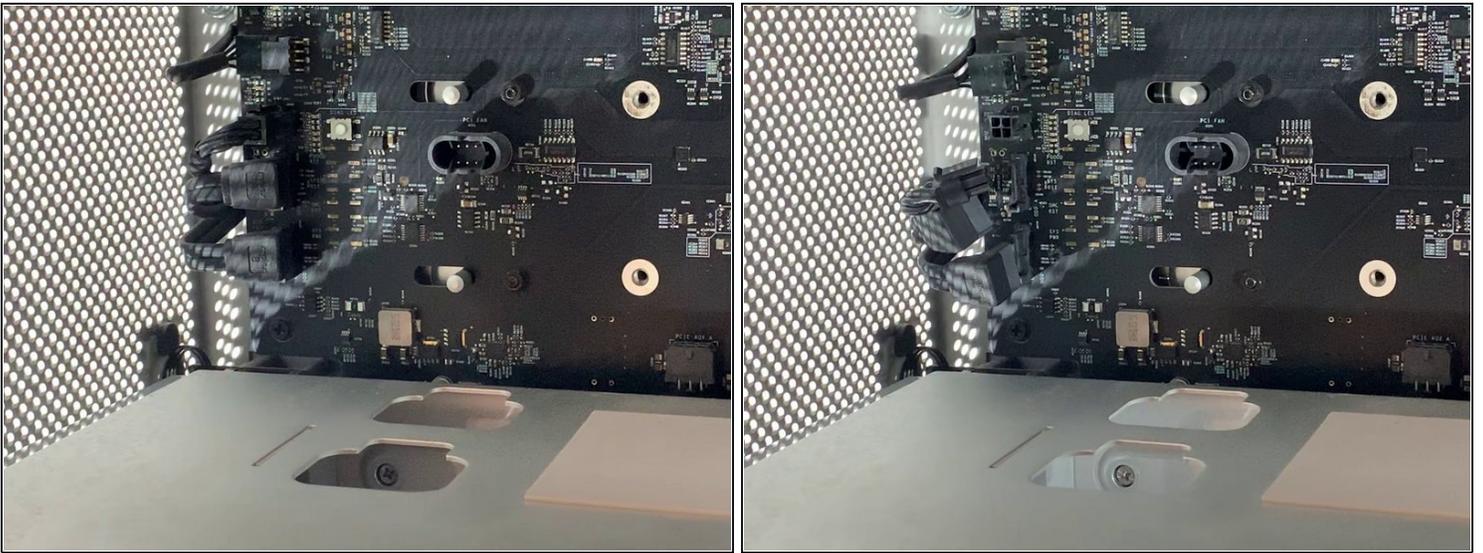
ⓘ This step is optional depending on your Mac Pro

Step 9 — Take out the PCI-e fan



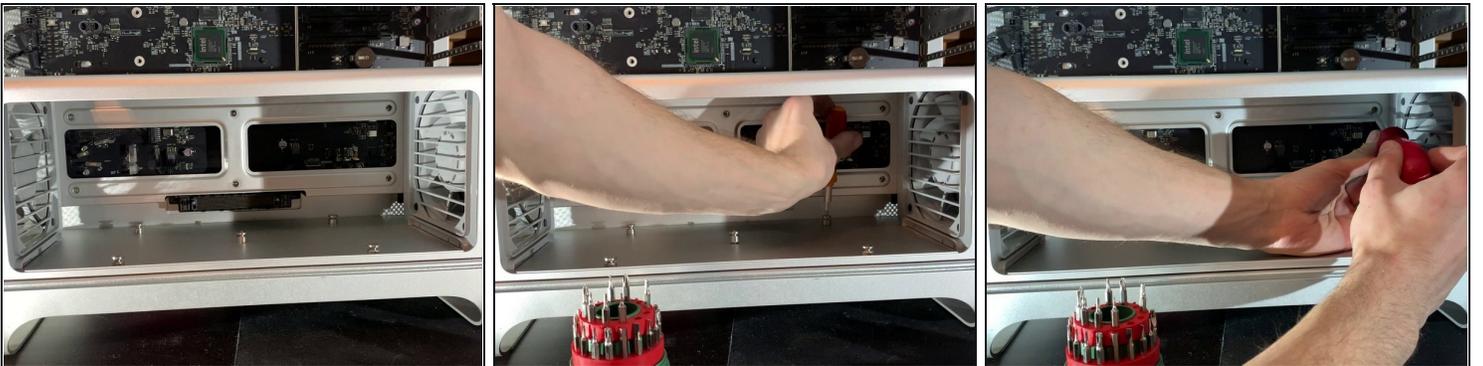
- With a screwdriver unscrew the two screws that hold the fan bracket to the board
- Pull the fan towards you

Step 10 — Disconnect the SATA Cables



- Behind the fan bracket there are 2 SATA cables, a 4 pin mini power supply and a 4 pin fan

Step 11 — Unscrew CPU support



- With a H2.5 screwdriver, unscrew the screws on the bottom of the bracket (photo 2)
- With a Phillips screwdriver, unscrew the screws on the bottom of the case (photo 3)

Step 12 — Remove the CPU Fan



- Remove the clip at the top of the fan
- Pull on the top of the fan a bit.

Step 13 — Remove the CPU Fan



- Similar to the top remove the clip at the bottom and pull out the fan.

Step 14 — Disconnect Fan and Speakers



- Disconnect the 2 x 4pin fan cables and the 1 x 2 pin speaker cable

⚠ Do not forget this step or you risk damaging your connectors on the motherboard and make unusable fans and speaker!

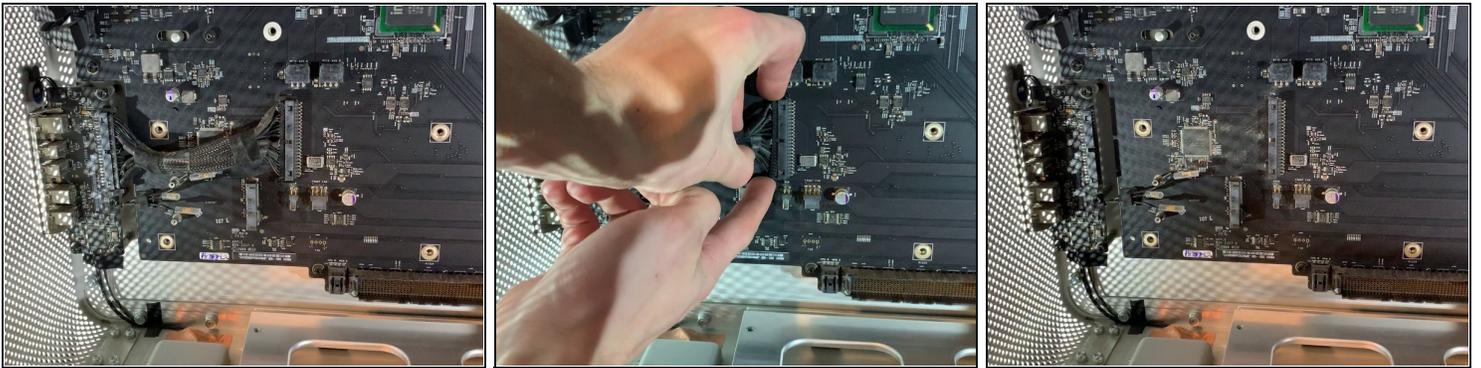
Step 15 — Remove the CPU Support



- Pull the CPU support towards you

⚠ Do not use force during this step, it does not come out easily ensure the fans are not blocking the exit.

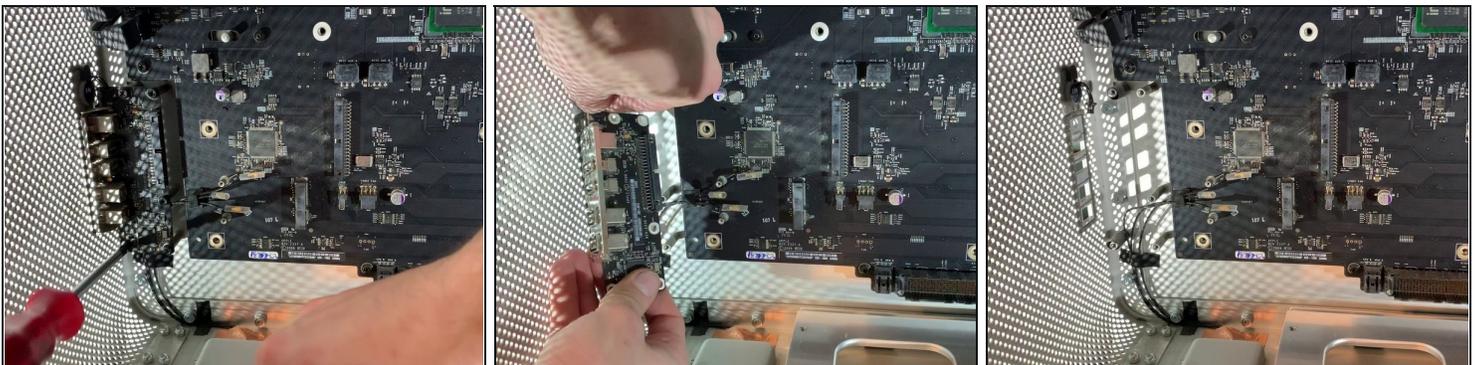
Step 16 — Remove the expansion card connector



- Remove the ribbon that connects the motherboard to the expansion card (USB, Jack, Power Off etc.)

⚠ Attention, it is necessary to remove the cable carefully so as not to bend the pins which are in the connector of the motherboard!

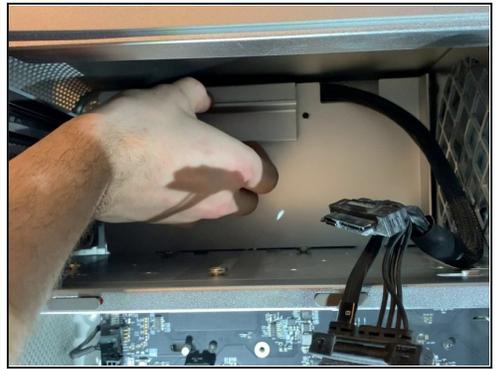
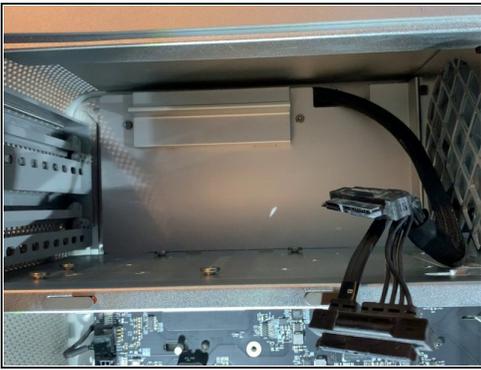
Step 17 — Remove the expansion card



- Unscrew the 6 screws that hold the card in place.

⚠ Be careful to unplug the power cable on the card !!

Step 18 — Remove the cover



- unscrew the two screws and remove the cover

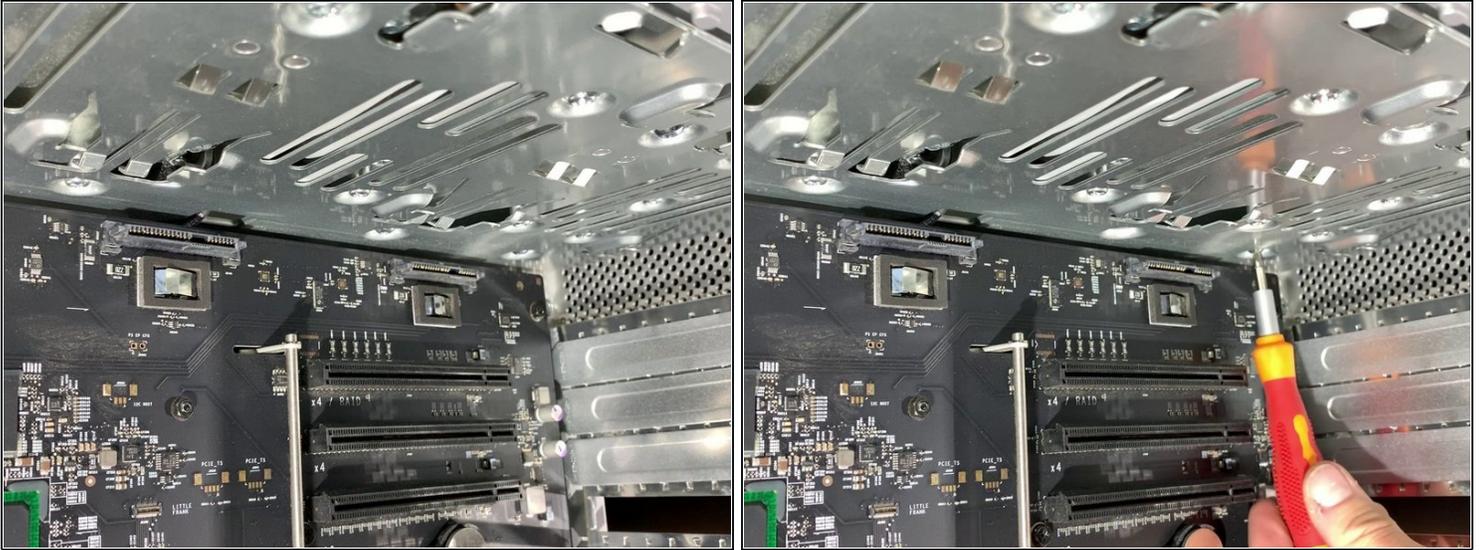
Step 19 — Unplug the power supply



- Push on both knobs to remove the power connector

⚠ Do not use force, if you are struggling ensure you are squeezing the clips adequately.

Step 20 — Separate the power supply



- Unscrew the 4 screws that hold in the power supply

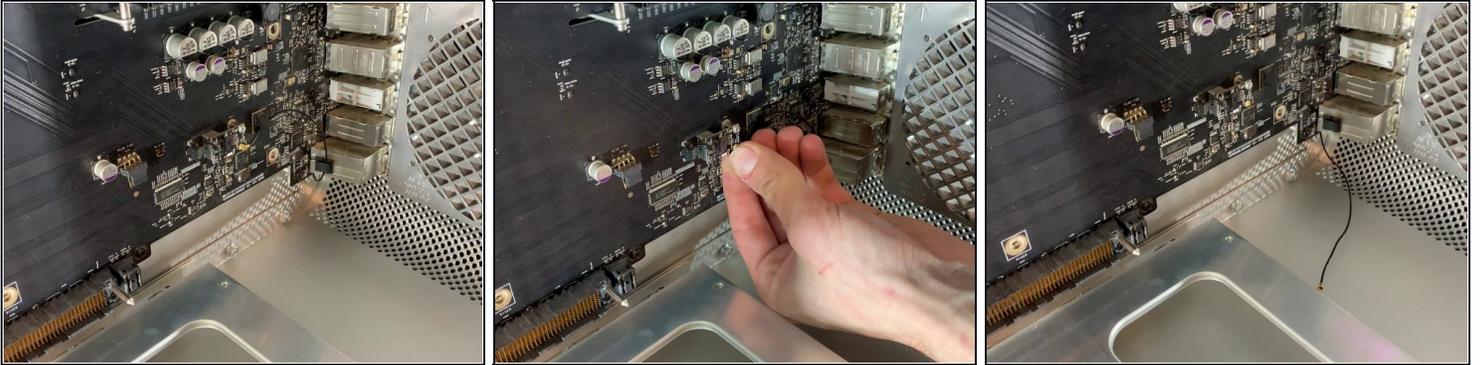
Step 21 — Remove the power supply



- Pull the power supply towards you.

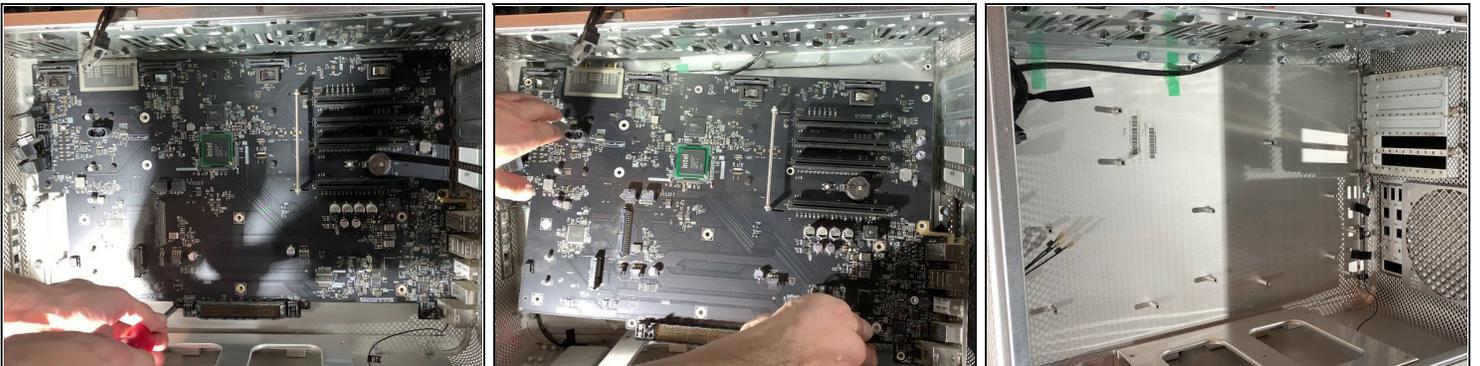
⚠ Be sure to pull the connector forward and watch the cables

Step 22 — Detach the bluetooth antenna



- Unclip the bluetooth antenna

Step 23 — Remove the motherboard



- Unscrew the 10 screws holding in the motherboard

Step 24 — Change the case



- Follow the steps in reverse to resemble.

To resemble, follow the instructions in the reverse order.